EH0554
Indoor Climate Control

3.2kW heating or cooling capacity
Air conditioning
Dehumidification
Cooling
Efficient heating via air-source heat-pump
Suitable for high- or low-wall installation
No external unit required

IMPORTANT

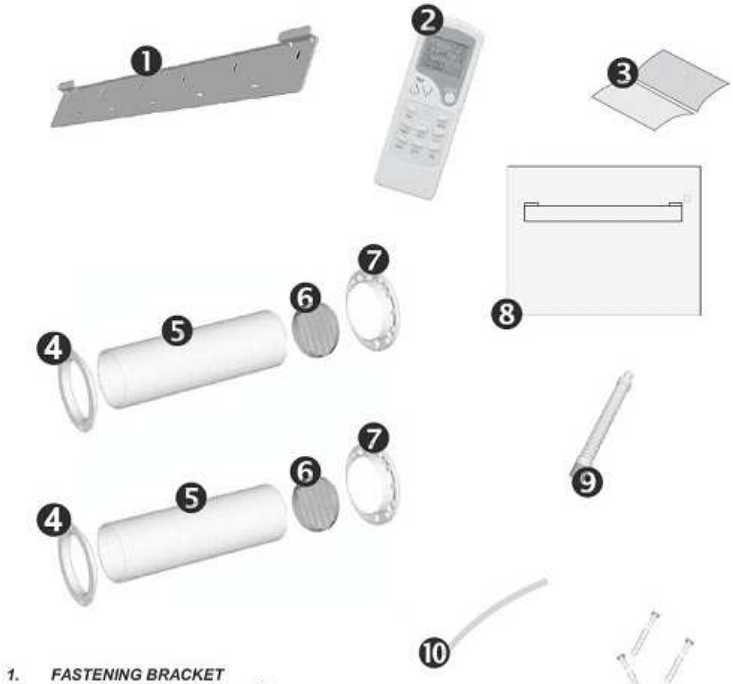
Installer and Users please note:

These instructions should be read carefully and left with the user of the product for future reference.

BEFORE USE

Inspect the product including its cable and plug for any signs of damage. If the product is damaged, DO NOT use it, and contact your supplier immediately.

Check that the following items are included:



1. *FASTENING BRACKET*
2. *REMOTE CONTROL (Type V3)*
3. *INSTRUCTION MANUAL*
4. *PIPE FASTENING INNER FLANGE*
5. *AIR INTAKE (150MM) AND AIR DISCHARGE (160MM) PIPES*
6. *EXTERNAL GRIDS (Pre-installed in pipes)*
7. *RUBBER RINGS*
8. *PAPER TEMPLATE FOR WALL DRILLING*
9. *CONDENSATE HOSE*
10. *EXTENSION CONDENSATE HOSE*
11. *KIT OF SCREWS AND CABLE TIES*
12. *RING FIXING CORD x 2*

INSTALLATION

The appliance weighs 42kg. In order to comply with Health and Safety Manual Handling guidelines, two people will be required to lift it.

Transport and store in an upright position. Leave the unit in an upright position for at least 3 hours before first use.

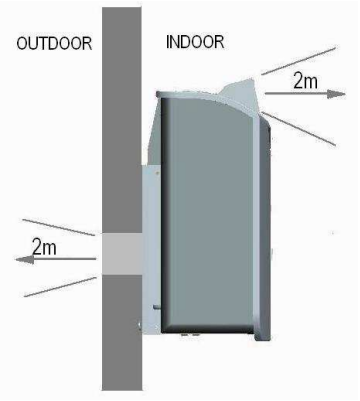
Choose the optimum location for the appliance:

It must be on an external wall with 2m free clearance on both inside and outside to allow good airflow

The wall must be able to withstand the weight of the unit.

The wall must be perfectly flat.

There must be no electrical wiring, gas pipes, or structural steelwork in the wall in the area where the appliance is to be mounted.

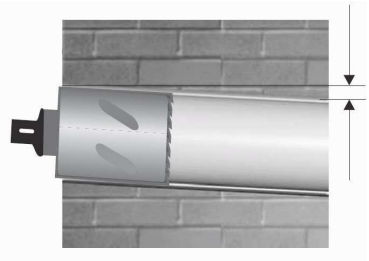


Attach the template to the wall using masking tape. Use a spirit level to ensure that it is perfectly level.

Drill the fixing holes and insert wall plugs.

Using a 135mm core drill, drill the two air intake holes. These should be drilled with a downwards slope of between 3° and 5° to make sure that any water will drain out.

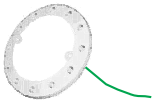
Using a 30mm masonry bit, or a core drill, drill the hole for the water drain. This MUST have a downward slope of between 3° and 5° to make sure that the water will drain out.



Cut the air intake tubes so that they are 10mm less then the thickness of the wall. Attach the flanges for the air intake and exhaust tubes to the tubes using the 10 mm screws provided. Then fix the tube/flange assembly into the hole. If the outside wall is accessible, fill the area between the tubes and the wall using expanding foam, and attach the rubber rings to the outside of the

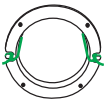
wall using the screws provided, then fit the drainage tube into the 30mm hole and seal with foam as above.

If the outside of the wall is not accessible, proceed as follows.



Attach the nylon cords to the rubber ring as shown. Fold the rubber ring in half and pass it through the hole, keeping hold of the other ends of the nylon cords.

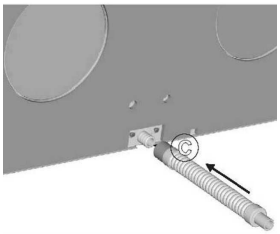
Slide the tube (with the inside flange attached) into the hole, passing the nylon cords through the tube. Seal the area between the tube and the hole with expanding polyurethane foam, and then push the tube completely into the hole.



Attach the cords to the tabs on the interior flange and pull tight.

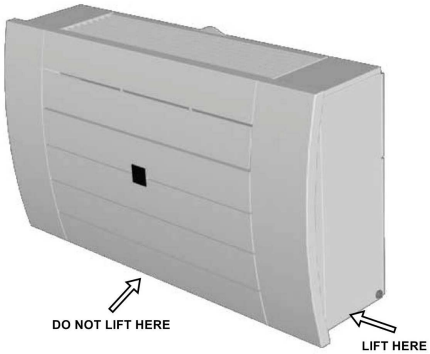
Attach the hanging bracket to the fixing holes, using the screws provided.

Stick the foam gaskets to the back of the unit, around the air intake and exhaust ports.

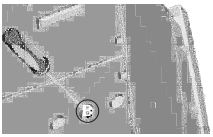


Connect the drain hose provided to the rear drain outlet. A further extension pipe with an internal diameter of 16mm can be fitted if required. Care must be taken to ensure that the drain always runs downwards.

With two people, lifting the appliance by it sides, not the front cover, hang it on the fixing bracket, and push firmly against the wall, ensuring that the drain pipe engages with the drainage hole, and that the main unit fits flush against the wall. If there are any gaps between the unit and the wall, heating and cooling performance will be impaired.If the drain pipe does not engage properly with the drain tube in the wall, leakage will occur.

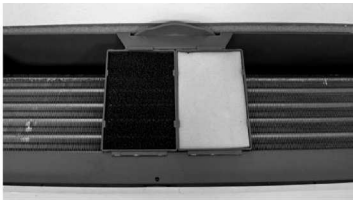


Remove transit fixings from the compressor as shown.



If the mains lead is fitted with a Schuko plug (with two round pins), either fit the 13A plug adaptor provided, or remove the Schuko plug and fit a 13A plug. Alternatively, remove the plug and wire to the mains supply via a switched fused spur.

Remove the top cover, and fit the filters as shown.



Finally, fit two AAA batteries to the remote control.

PAT TESTING.

When used in an office environment, this product must be safety-tested yearly by a qualified electrician (PAT Tested) in order to comply with the Electricity at Work Regulations.

We recommend that it is PAT tested regularly when used in a domestic environment.

GENERAL SAFETY REQUIREMENTS

Domestic wiring must be tested periodically by a qualified electrician at least once every 10 years or at every change of occupancy.

For office and retail premises, and buildings such as village halls, the wiring must be inspected at least once every 5 years.

It is recommended that all building be fitted with smoke alarms (it is mandatory for new buildings).

PRODUCT SAFETY

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance
- Ensure that there is at least 300mm (1') between the sides of the appliance and any flammable materials
- Ensure that there is at least 900mm (3') from the top of the appliance and any flammable materials.
- Do not place on soft surfaces.
- Do not cover. This symbol shown on the casing of the appliance means that the appliance should not be covered.
- For indoor use only
- Not suitable for use in boats, caravans or similar locations.
- Do not use in bathrooms, or in wet locations.
- Do not place the mains lead beneath a carpet or rug.
- Do not use the appliance in locations where paint, petrol or other flammable liquids are used or stored.
- Do not use unless correctly installed
- Do no insert any object into the appliance through the grilles. This may damage the appliance or result in overheating or electric shock.
- Do not place objects on top of the appliance.
- Do not obstruct the air intakes and exhausts

OPERATION

Plug the mains lead into a 13 Amp mains socket (unless permanently installed)

If connecting via an extension lead, make sure that the lead is rated at 13 Amps or more, and that it is fully unwound.

Switch the unit on at the mains socket.

Using the remote control press the "**ON/OFF**" button to start the unit. There will be a short delay (of about a minute) before the appliance starts to operate.

Always use the ON/OFF button to start and stop the appliance. Do not switch off at the mains socket whilst it is running. This will reduce the life of the compressor.

"MODE" Button: Select the mode by pressing the "MODE" button. The available modes are:

AUTO = **Automatic mode:** either heats or cools as required to maintain the room temperature between 20 °C and 25 °C. The **TEMP+** and **TEMP−** buttons are inoperative in AUTO mode.

COOL = Cooling mode: cools if the room temperature is above the selected temperature.Then use the **TEMP+** and **TEMP−** buttons to select the desired room temperature. When the temperature reaches the desired temperature, the compressor will stop, and the fan will continue to run.

DRY = Dehumidifying mode: removes humidity, but does not affect room temperature. The fan operates at its lowest speed.

FAN = Fan only mode: circulates the air, but does not affect room temperature or humidity.

HEAT = Heating mode: heats if the room is temperature is below the selected temperature. Then use the **TEMP+** and **TEMP−** buttons to select the desired room temperature. When the temperature reaches the desired temperature, the compressor will stop, and the fan will continue to run. Heating performance reduces if the outdoor temperature falls below 7 °C

"**SPEED" Button:** Set the fan speed using the fan speed control.

In all modes except dehumidifying mode. The fan speed can be low, medium or high. The fan speed is indicated by the speed of the segments on the windmill symbol on the LED display.

TEMP+ and TEMP− buttons:

Use the + and − buttons to select the desired room temperature. The temperature can be set to any temperature from 16 °C to 31 °C. Selecting a lower temperature whilst heating, or a higher temperature whilst cooling will reduce power consumption.

SLEEP MODE: The **SLEEP** mode is selected by the **SLEEP** button (and is indicated by the "moon" icon). In **SLEEP** mode, the

fan speed is set to its lowest speed.

SWING button: Press the "SWING" button to turn the oscillation of the louvres on or off.

FAN SPEED: The fan speed can be low, medium, high or automatic. When set to automatic, the fan speed is determined by the amount of cooling or heating required to maintain the selected room temperature. The fan speed is indicated by the number of segments lit adjacent to the symbol.

INDICATORS

The indicators on the main unit operate as follows:

The two-digit LED display shows the current room temperature:

The green LED (top left) indicates that the compressor is running (heating or cooling is taking place)

The yellow LED (top right) indicates that the timer is operating, or if it is flashing, indicates that the unit is defrosting.

The red LED (bottom right) indicates that the appliance is in stand-by.

The blue LED (bottom left) indicates that the unit is in "sleep" mode.

The **LED OFF** button on the remote control controls the display of room temperature on the front of the main unit.

USING THE TIMER

To program the time at which the unit will switch off, press TIMER button until the icon is displayed. Then set the number of hours before which the appliance should switch off by pressing the HOUR button.

To cancel the timer, press TIMER until the icon disappears.

To select the time at which the unit will switch on, press ON/OFF on the remote control to switch the unit off. Then press the TIMER button until the icon is displayed. Then set the number of

hours before which the appliance should switch on by pressing the HOUR button.

To cancel the timer, press TIMER until the icon disappears.

Setting the clock:

To set the clock, first press the CLOCK button. Then adjust the time using the HOUR and MINUTE buttons. When the time shown is correct, press the CLOCK button again.

OPERATING COSTS

At time of going to press, the average cost of electricity is £0.11 per unit (kilowatt-hour). The amount you are being charged will be shown on your electricity bill.

At this cost, the EH0544 will cost £0.12 per hour to run either cooling or heating.

To minimise the power used (and reduce operating costs):

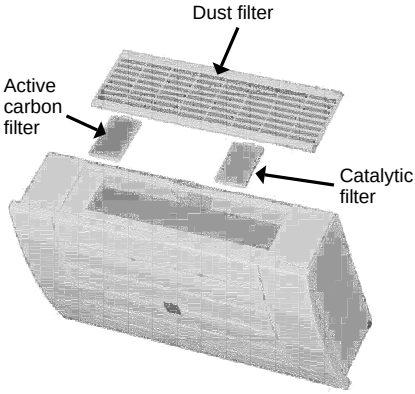
- Make sure that the filter is kept clean.
- Make sure that the air intakes and exhausts are not obstructed.
- Keep doors and windows closed to prevent conditioned air from escaping, and to prevent exhaust air from re-entering the room.
- Use blinds to prevent direct sunlight reaching the room.

MAINTENANCE

Before cleaning, turn the unit off using the button on the control panel (NEVER switch off the power at the mains socket whilst the unit is running). Wait until the unit stop and then disconnect from the mains supply. The case may then be cleaned using a damp cloth with a drop of washing-up liquid to remove any dust or dirt from the case. Do no use stronger detergents or solvents as these may damage the plastic.

Using a dry 1" (25mm) paint-brush, remove any dust from the grilles.

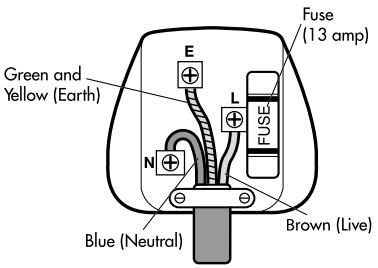
Remove the filters from the top of the unit. Clean the active carbon and catalytic filters using a vacuum cleaner.



Wash the dust filter in hand-hot water to which a drop of washing-up liquid has been added. Thoroughly dry before replacing in the unit.

Using the appliance with a blocked filter will severely reduce its efficiency, and using without the filter may lead to a build-up of a dust on the heat exchangers, which may constitute a fire hazard.

If the mains lead is damaged, it must be replaced by the manufacturer or an authorised service centre. If the mains plug needs to be replaced, proceed as follows:



- Connect the brown wire to the terminal labelled "L".
- Connect the blue wire to the terminal labelled "N".
- Connect the green/yellow wire to the terminal labelled with the earth symbol or "E".
- Make sure that the cord-grip is positioned correctly (over the outer sheath of the cable) and it fully tightened.

DISPOSAL AND RECYCLING

You must not dispose of this appliance with domestic household waste.

Most local authorities have specific collection system for appliances and disposal is free of charge to the end-user.

When replacing an existing appliance with a similar new appliance your retailer may take the old appliance for disposal.

This air conditioner contains R410a refrigerant gas. At the end of its life the disposal of this product must be in accordance with local regulations.

FAULT-FINDING

If the appliance is not operating, proceed as follows:
Check that the mains plug is firmly in the socket, and that the socket is switched ON.
When the unit if switched on there will be a delay of about 1 minute before it starts to operate.

- **Unit stops running:**

Mains supply is disconnected or has failed
Target temperature has been reached.
Timer has been set.
Water tank is full (E6 will be displayed)

- **In cooling mode, no cool air is produced:**

Room temperature is lower than set temperature
The unit is defrosting (this will take a few minutes, and afterwards, it will resume operation)
Filter is blocked

- **Cooling is poor on hot days**

Too much direct sunshine is heating the room
Windows or doors are open allowing hot air into the room
A lot of people in the room (each person contributes about 75W of heating)
Electrical equipment in the room producing heat

- **Remote control does not work:**

Check batteries are correctly installed, and are not exhausted.
Make sure that the remote control is pointed towards the main unit when being used.

- **Water leakage**

Drain hole slopes the wrong way
Drain tube not fitted correctly

- **Water splashes out of the front of the appliance**

Appliance has not been installed level.

FAULT CODES

If any fault codes appear on the display, contact your local service agent.

E2: Indoor sensor failure

E4: Indoor coil sensor failure

E5: Failure of upper fan motor

TECHNICAL SPECIFICATION

Dimensions:	550×930×260 mm
Weight:	42 kg
Power supply:	230V ~
Cooling capacity:	3200 W
Heating capacity:	3200 W
Power consumption (cooling):	1220 W
Power consumption (heating):	1090 W
Operating current:	5 A
Air flow	400 m^3/hour
Noise level:	38−45 dBA
Dehumidification capacity:	21.6 litres/day
Refrigerant gas:	R410a

SERVICE WARRANTY

Prem-i-Air guarantees the product free from defects in materials and workmanship for a period of twelve months.

This *Elite* product is guaranteed for a further twelve months subject to the enclosed registration card being completed and returned to the address printed on it, or the registration form being completed on-line at **www.prem-i-air.com**

Should this unit be operated under conditions other than those recommended, at voltages other than the voltage indicated on the unit, or any attempts made to service or modify the unit , then the warranty will be rendered void.

The product you buy may sometimes differ slightly from illustrations. This warranty is in addition to, and does not affect, your statutory rights.

If you have any problems with this product, please call our Help Desk on (0845) 459 4816.

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